

OSA # 0162-66

30 December 1965

Subject: ECP'S GR-45, 46, 48, AND 50, CONTRACT  
LP-2264

Dear Chuck,

STATINTL  
Please provide  These no-cost changes are technically acceptable.  
with formal approval to proceed with  
them.

STATINTL  
Recorder.  Note that both numbers 45 and 50 apply to the  
advised us that the same mod symbol  
will not be used to identify both of these changes due to the  
probable difference in retrofit timing..

Regards,

*George*  
George

Atch.

cc:



<b>GA - 531</b>		ENGINEERING STUDY <input type="checkbox"/> CHANGE PROPOSAL <input checked="" type="checkbox"/>		<b>GR - 45</b>	
DATE 12/9/65		AFFECTS: 531A SLR			
NAME OF MAJOR COMPONENT Recorder		PART OR LOWEST SUBASSEMBLY Electron Tube and Shield Assembly - Cathode Ray		PART NO. MODEL OR TYPE 531A701-903-101	
TITLE OF PROPOSAL: Eliminate CRT Connector Arcing					
NATURE OF PROPOSAL: Add new 531A701-013-1 Connector, 531A701-014-1 Insulator and 531A701-015 Washer in place of presently used HA/HV-3 connector. New P/N 531A701-013-1, Connector, is a modified AMP HA/HV-3 connector.  A Mod No. will be assigned to the Recorder 531A 701-001 with this change.					
REASON FOR PROPOSAL:  To prevent CRT high voltage connector from arcing at altitude.					
<b>ES</b>		ESTIMATED COST AND TIME INVOLVED:			
		ADDITIONAL FUNDING REQUIRED:			
<b>CP</b>		ESTIMATED COST FOR KITS OR PARTS:			
		ADDITIONAL FUNDING REQUIRED: N/A			
ITEMS AFFECTED BY PROPOSAL: Production units S/N A7002-9 thru 19 to be retrofitted, S/N A7002-20 and subs in line.					
SAFETY	MISSION EFFECTIVENESS	PERFORMANCE	OPERATING PROCEDURE	INTERCHANGEABILITY	WEIGHT OR WEIGHT BALANCE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOOLS AND SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD:					
30 min. disassemble 5 min change parts					
30 min. reassemble 1 hr in T					
SOURCE OF PARTS FOR KIT:					
AVAILABILITY 4 WEEKS AFTER APPROVAL					
DISPOSITION OF SPARES ATTACHED: Spares to be changed to latest configuration. PPB will be changed by change notice to PSO.					
<div style="border: 1px solid black; height: 40px; width: 100%;"></div>					

Pg 63 stem Bir

GA - 531		ENGINEERING STUDY <input type="checkbox"/>		CHANGE PROPOSAL <input checked="" type="checkbox"/>		GR - 46				
DATE 12-9-65		AFFECTS: 531A SIP								
NAME OF MAJOR COMPONENT Recorder Magazine		PART OR LOWEST SUB-ASSEMBLY Shutter Lever Assy		PART NO: 531A723-008-101 (old) 531A723-021-101 (new)						
TITLE OF PROPOSAL: Change Spring Action on Shutter Lever Assembly										
NATURE OF PROPOSAL: Replace 531A723-021-1 Spring and 531A723-008-101 Lever Assembly with new 531A723-022-1 Spring, 531A723-023-1 Cut Block and 531A723-021-101 Lever Assy.  A Mod No. will be assigned with this change to the magazine P/N 531A702-001-103.										
REASON FOR PROPOSAL: Design improvement to increase reliability of shutter assembly action. The shutter has not been consistently closing when Magazine is pulled from the Recorder.										
ES	ESTIMATED COST AND TIME INVOLVED:									
	ADDITIONAL FUNDING REQUIRED:									
CP	ESTIMATED COST FOR KITS OR PARTS:									
	ADDITIONAL FUNDING REQUIRED: N/A									
ITEMS AFFECTED BY PROPOSAL: Production units S/N 7002-9 thru 19 to be retrofitted, S/N 7002-20 and sub in line.										
SAFETY	MISSION EFFECTIVENESS	PERFORMANCE	OPERATING PROCEDURE	INTER-CHANGEABILITY	WEIGHT OR WEIGHT AND BALANCE	TOOLS AND SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE FIELD:										
1 hr disassemble, 3 hr change and check, 1 hr reassemble										
SOURCE OF PARTS FOR KIT:				AVAILABILITY						
GR				8				WEEKS AFTER APPROVAL		
DISPOSITION OF SPARES AFFECTED:										
Spares to be reworked to latest configuration.										
PPB to be changed by C/N to PSO.										

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<b>GA - 531</b>		ENGINEERING STUDY <input type="checkbox"/>		GR- 48										
DATE <b>12-9-61</b>		AFFECTS: <b>GA-531A SLR</b>												
NAME OF MAJOR COMPONENT <b>Receiver</b>		PART OR LOWEST SUBASSEMBLY <b>Single Side Band Modulator PC Board Assembly</b>		PART NO. MODEL OR TYPE <b>531A407-011-101 (old) 531A407-011-103 (new)</b>										
TITLE OF PROPOSAL: <b>Reduce SSB Modulator Monitor Output</b>														
NATURE OF PROPOSAL: <b>Change R26, RC200P471J resistor R26 to RC200P683J.</b>  <b>A Mod No. will be assigned to the Receiver unit (531A400-001-109) with this change.</b>  <b>Part number changes will be:</b> <table border="0"> <tr> <td><b>Old Number</b></td> <td></td> <td><b>New Number</b></td> </tr> <tr> <td><b>531A407-005-101</b></td> <td><b>SSB Modulator Assembly</b></td> <td><b>531A407-005-103</b></td> </tr> <tr> <td><b>531A407-017-101</b></td> <td><b>SSB Modulator Receiver</b></td> <td><b>531A407-017-103</b></td> </tr> </table>						<b>Old Number</b>		<b>New Number</b>	<b>531A407-005-101</b>	<b>SSB Modulator Assembly</b>	<b>531A407-005-103</b>	<b>531A407-017-101</b>	<b>SSB Modulator Receiver</b>	<b>531A407-017-103</b>
<b>Old Number</b>		<b>New Number</b>												
<b>531A407-005-101</b>	<b>SSB Modulator Assembly</b>	<b>531A407-005-103</b>												
<b>531A407-017-101</b>	<b>SSB Modulator Receiver</b>	<b>531A407-017-103</b>												
REASON FOR PROPOSAL:  <b>To prevent I.F. Ref. Condition Signal output from exceeding limits. The level of the conditioned signal reaches a value which exceeds the 2V maximum.</b>														
<b>ES</b>	ESTIMATED COST AND TIME INVOLVED:  ADDITIONAL FUNDING REQUIRED:													
<b>CP</b>	ESTIMATED COST FOR KITS OR PARTS:  ADDITIONAL FUNDING REQUIRED: <b>N/A</b>													
ITEMS AFFECTED BY PROPOSAL: <b>Production units S/N A4003-9 thru 19 to be retrofitted; S/N A4003-20 and subs in line.</b>														
<b>SAFETY</b> <input type="checkbox"/>	<b>MISSION EFFEC- TIVENESS</b> <input type="checkbox"/>	<b>PERFORM- ANCE</b> <input checked="" type="checkbox"/>	<b>OPERATING PROCEDURE</b> <input checked="" type="checkbox"/>	<b>INTER- CHANGE- ABILITY</b> <input type="checkbox"/>	<b>WEIGHT OR BALANCE</b> <input type="checkbox"/>									
				<b>TOOLS AND SUPPORT EQUIPMENT</b> <input type="checkbox"/>	<b>MAINTENANCE PROCEDURE</b> <input type="checkbox"/>									
				<b>SERVICE LIFE</b> <input type="checkbox"/>	<b>FLIGHT MANUAL</b> <input type="checkbox"/>									
					<b>MAINTENANCE MANUAL</b> <input checked="" type="checkbox"/>									
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: <b>1 hour disassembly, 20 minutes change parts, 1 hr assemble, 1 hr Test.</b>														
SOURCE OF PARTS FOR KIT: <b>CR</b>			AVAILABILITY <u>4</u> WEEKS AFTER APPROVAL											
DISPOSITION OF SPARES AFFECTED: <b>Spares to be reworked to latest configuration. PPB to be change by change notice to</b>														
<div style="border: 1px solid black; height: 40px; width: 100%;"></div>														

<b>GA - 531</b>		ENGINE STUDY <input type="checkbox"/> CHANG PROPOSAL <input checked="" type="checkbox"/>		<b>GR - 50</b>	
DATE <b>12/14/65</b>		AFFECTS: <b>GA531 SLR</b>			
NAME OF MAJOR COMPONENT <b>Recorder</b>		PART OR LOWEST SUBASSEMBLY <b>Metering Drum Assembly</b>		PART NO. MODEL OR TYPE <b>531A715-005-1 (old)</b> <b>531A715-020-101 (new)</b>	
TITLE OF PROPOSAL: <b>Modify Film Metering Drum Assembly</b>					
NATURE OF PROPOSAL:  <b>Add new 531A714-020-101 Drum to replace 531A715-005-1 Drum.</b>  <b>A Mod. No. will be assigned to the 531A701-001-101 Recorder with this change.</b>					
REASON FOR PROPOSAL:  <b>Design improvement for better reliability of metering drum function. Ring is presently bonded to Drum. New design will pin ring to drum. Bonded ring position has been shifted when <del>drum</del> hit during magazine removal. Edge guidance of film has been affected by bonding material unavoidably getting on external ring.</b>					
<b>ES</b>	ESTIMATED COST AND TIME INVOLVED:  ADDITIONAL FUNDING REQUIRED: <b>N/A</b>				
<b>CP</b>	ESTIMATED COST FOR KITS OR PARTS:  ADDITIONAL FUNDING REQUIRED:				
ITEMS AFFECTED BY PROPOSAL: <b>Production unit Drums from S/N 7002-9 through -19 to be recycled through SRA for change. S/N 7002-20 and subs in line.</b>					
<b>SAFETY</b> <input type="checkbox"/>	<b>MISSION EFFECTIVENESS</b> <input checked="" type="checkbox"/>	<b>PERFORM ANCE</b> <input checked="" type="checkbox"/>	<b>OPERATING PROCEDURE</b> <input type="checkbox"/>	<b>INTER-CHANGEABILITY</b> <input type="checkbox"/>	<b>WARRANTY AND SERVICE</b> <input checked="" type="checkbox"/>
					<b>TOOLS AND SUPPORT EQUIPMENT</b> <input type="checkbox"/>
					<b>MAINTENANCE PROCEDURE</b> <input type="checkbox"/>
					<b>SERVICE LIFE</b> <input type="checkbox"/>
					<b>FLIGHT MANUAL</b> <input type="checkbox"/>
					<b>MAINTENANCE MANUAL</b> <input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: <b>30 Min disassembly; 30 min reassembly; 6 hrs align and checkout.</b>					
SOURCE OF PARTS FOR KIT: <b>GR</b>					
AVAILABILITY <b>6</b> WEEKS AFTER APPROVAL					
DISPOSITION OF SPARES AFFECTED: <b>Spares to be worked to latest configuration. PPB to be changed by C/N to PSO.</b>					
IN <div style="border: 1px solid black; width: 600px; height: 40px; display: inline-block;"></div>					

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